

Bridge Renovation -- No. 509753

Category **Transportation**
 Agency **Public Works & Transportation**
 Planning Area **Countywide**
 Relocation Impact **None.**

Date Last Modified
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 Required Adequate Public Facility

March 22, 2004
 11-9(03 App)
 NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	474	0	145	329	79	50	50	50	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13	0	13	0	0	0	0	0	0	0	0
Construction	3,126	0	586	2,540	690	370	370	370	370	370	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	3,613	0	744	2,869	769	420	420	420	420	420	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,696	0	538	1,158	193	193	193	193	193	193	0
Current Revenue:											
General	349	0	0	349	349	0	0	0	0	0	0
State Aid	1,568	0	206	1,362	227	227	227	227	227	227	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the renovation of County bridges that have been identified as needing repair work beyond routine maintenance levels to assure continued safe functioning. Renovation work involves planning, preliminary engineering, project management, inspection, and construction. Construction is performed on various components of the bridge structures. Superstructure items include decking, support beams, bearing assemblies, and expansion joints. Substructure items include concrete abutments, backwalls, and wing walls. Culvert repairs include concrete headwalls, structural steel plate pipe arch replacements, installation of concrete inverts, and placement of stream scour protection. Other renovation work includes paving of deck surfaces, bolted connection replacements, stone slope protection, reconstruction of approach roadway, concrete crack injection, deck joint material replacement, scour protection, and installation of traffic safety barriers. Many projects require traffic control measures such as road closures and lane shifts. The community outreach program informs the public of road closures and detour routes. Projects are reviewed and scheduled to reduce as many community impacts as possible, especially to school bus routes.

Service Area

Countywide

Capacity

The highway vehicle capacities will remain the same.

Plans and Studies

The Biennial Bridge Inspection Program, a Federally-mandated program, provides specific information to identify deficient bridge elements.

Specific Data

There is currently a backlog of 75 bridges (based on the 2003 inspection cycle) needing renovation to remain effective and safe components of the County highway system. The backlog of bridges will fluctuate from one inspection cycle to the next due to deterioration, or because bridges may be renovated or replaced between inspections.

Cost Change

Increase due to additional work programmed for FY05 to address backlog, and the addition of FY09-10 to this ongoing project.

STATUS

Ongoing.

OTHER

The objective of this program is to identify bridges requiring extensive structural repairs and perform the work in a timely manner to avoid emergency situations and major public inconvenience. This work is coordinated with the routine maintenance performed by the Division of Operations. Current revenue in FY05 will address portion of the existing backlog as part of Go Montgomery! *The expenditures for this program will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY97	(\$000)
Initial Cost Estimate		2,100
First Cost Estimate		
Current Scope	FY05	3,613
Last FY's Cost Estimate		2,686
Present Cost Estimate		3,613
Appropriation Request	FY05	769
Appropriation Request Est.	FY06	420
Supplemental		
Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		744
Expenditures/		
Encumbrances		138
Unencumbered Balance		606
Partial Closeout Thru	FY02	3,104
New Partial Closeout	FY03	262
Total Partial Closeout		3,366

COORDINATION

MSHA
 Maryland Department of Natural Resources
 Department of Permitting Services
 Maryland-National Capital Park and Planning Commission
 Division of Operations
 The Executive asserts that this project conforms to the requirements of relevant local plans as required by the Maryland Economic Growth, Resource Protection and Planning Act.

MAP

See Map on Next Page